



LAVANDULA PLANT NAMED 'LAVSTS 154'

Genus: LAVANDULA

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Species: *stoechas*

Denomination: LAVSTS 154

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BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of lavender known botanically as *Lavandula stoechas* subsp. *luisieri* and hereinafter referred to by the cultivar name 'LAVSTS 154'. The new invention 'LAVSTS 154' is a branch sport off *Lavandula stoechas* subsp. *luisieri* 'Tickled Pink' (unpatented) and was discovered in a cultivated area of Christchurch, New Zealand by the inventor in 1999. The sport will be known as 'LAVSTS 154'. The parent plant is *Lavandula stoechas* subsp. *luisieri* 'Tickled Pink'.

The new lavender plant 'LAVSTS 154' was selected for distinct and unique traits, namely color and number of sterile bracts and floriferous nature. The closest comparison plant is the parent plant *Lavandula stoechas* subsp. *luisieri* 'Tickled Pink'. The new variety 'LAVSTS 154' is distinguishable from the parent plant by the number of sterile bracts. 'LAVSTS 154' exhibits 5-6 sterile bracts per spike, whereas the parent 'Tickled Pink' exhibits 4-5 sterile bracts per spike. 'LAVSTS 154' is mainly distinguishable from all other *Lavandula stoechas* cultivars known to the inventor by its very upright, bushy growth habit. LAVSTS 154 also exhibits larger and more vibrant pink-violet colored sterile bracts than other known cultivars of *Lavandula stoechas*, except for the parent, 'Tickled Pink' which has a lesser number of sterile bracts per spike. The new

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invention was asexually propagated by the inventor in Christchurch, New Zealand in 1999 using soft to semi-hardwood cuttings. Since that time subsequent generations have been determined fixed, stable and true to type.

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SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and represent the distinguishing characteristics of the new lavender cultivar 'LAVSTS 154'. These traits in combination distinguish 'LAVANG 154' from all other existing varieties of *Lavandula* known to the inventor. 'LAVANG 154' has not been tested under all possible conditions and phenotypic differences may be observed with variations in environmental, climatic, and cultural conditions, however, without any variance in genotype.

1. *Lavandula* 'LAVSTS 154' exhibits an upright, bushy habit.
2. *Lavandula* 'LAVSTS 154' exhibits large, broad, vibrant pink-violet sterile bracts.
3. *Lavandula* 'LAVSTS 154' exhibits short peduncles causing the flower spikes to sit close to the foliage.
4. *Lavandula* 'LAVSTS 154' is floriferous.
5. *Lavandula* 'LAVSTS 154' exhibits light green foliage.

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BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying color drawings illustrate the overall appearance of the new cultivar 'LAVSTS 154', showing colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the drawings may differ from the color values cited in the detailed botanical description, which accurately describe the actual colors of the new variety 'LAVANG 154'. The drawings are made from plants grown outside in Christchurch, New Zealand.

The drawing labeled as FIG. 1 shows an established plant, approximately two years old, growing in open ground and showing the habit of the entire plant.

The drawing labeled as FIG. 2 illustrates the flower spikes and foliage of the instant plant, with approximately five or six sterile bracts.

5 The drawing on sheet 3 illustrates the typical flower of the sport parent, 'Tickled Pink' (unpatented) with approximately four sterile bracts.

Both drawings are made using conventional photographic techniques and although colors may appear different from actual colors due to light reflectance, they are as accurate as possible by conventional photography.

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BOTANICAL DESCRIPTION OF THE PLANT

The following is a detailed description of the *Lavandula* cultivar named 'LAVSTS 154'. Data was collected in West Melton, Canterbury, New Zealand 15 from plants grown in the open ground and in dry conditions. Phenotypic differences may be observed with variations in environmental, climatic, and cultural conditions, without however, any difference in genotype. Color determinations are in accordance with the Royal Horticultural Society Colour Chart except where general color terms of ordinary dictionary significance are used. Color determination using the Royal Horticultural Society Colour Chart 20 was conducted using the light box at The New Zealand Plant Variety Rights Office at Lincoln, Canterbury, New Zealand. Please note that the brown, green and violet range in this chart does not have an adequate color range to match that seen in lavender. The growing requirements are similar to the species and no 25 disease problems have been observed.

Botanical classification: *Lavandula* 'LAVSTS 154'

Species: *stoechas*.

Common name: Lavender.

Parentage: 'LAVASTS 154' is a branch sport from the parent plant *Lavandula* 30 *stoechas* subsp. *luisieri* 'Tickled Pink'.

Type: Aromatic perennial shrub.

Use: En masse, ornamental, hedge or potted plant.

Growth rate: Vigorous.

Habit: Upright bushy habit with erect, ascending flower spikes.

5 Plant height: 60-70cm in height.

Plant width: 60-70cm in width.

Hardiness: USDA Zones 5-8.

Disease resistance or susceptibility: No unusual or additional disease resistance or susceptibility compared to other cultivars of the species *Lavandula stoechas*.

10 Propagation method: Cuttings and tissue culture.

Root system: Fibrous.

Soil: Plant in well-drained soil.

Light levels: Plant in full sun.

Special needs: Prune after flowering to initiate second flowering period.

15 Time to initiate roots: 21 to 36 days are needed to develop roots on an unrooted cutting.

Time to develop to a one-gallon: 3 months are needed to produce a 1-gallon container plant from a rooted cutting.

Branching habit: Erect, upright and semi-open.

20 Seasonal interest: Flowers April - July and August.

Stem:

Shape: Square

Surface: Puberulent

Color: Both 144D (yellow-green) and 177B (brown) are present on the stems of an individual plant.

Size: 3-5 mm in diameter.

Foliage:

Arrangement: Upright stems with whorls of leaves, arranged opposite along stem. A basal pair of leaves subtend each whorl of leaves. Dense arrangement of leaves along stems.

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Leaf division: Simple.
Apices: Acute.
Base: Truncate to attenuate.
Margins: Entire and revolute.
5 Leaf shape: Linear.
Color of mature leaves (upper surface): 138C.
Color of mature leaves (lower surface): 138C.
Color of young leaves (upper surface): 138C.
Color of young leaves (lower surface): Too revolute to view.
10 Upper and lower surfaces: Puberulent, older leaves more sparse covering.
Venation: Mid vein depressed on upper surface and protruding beneath,
side veins noticeable on lower surface.
Internodes: 0.8-3 cm in length.
Foliar fragrance: Earthy pine scent.
15 Petiole: Basal leaves sessile, group leaves 0-0.3 cm.
Length: Approximately 0.8-2.5 cm in length.
Width: 1-3 mm in width.
Flower Spike:
Type of inflorescence: Terminal spike.
20 Size of inflorescence: 2-5.5 cm in length and 1-1.3 cm in width.
Shape of inflorescence: Mostly cylindric or fusiform-conic with sterile
bracts.
Peduncles: 0.5-3.5 cm in height and 1-2 mm in width.
Peduncle color: 144D (yellow -green)
25 Flower shape: Tubular.
Corolla: Two-lipped with upper lip 2-lobed and lower lip 3-lobed.
Corolla color: 103A (dark blue).
Calyx color: Green or green with red-purple ribbing.
Calyx surface: Pubescent.
30 Bracteoles: None present.

Fertile bract shape: Cordate with acute apex.

Fertile bract color: Membranous with green veining, red-purple coloring around margins.

Fertile bract hair covering: Almost glabrous.

5 Sterile bract shape: Broadly obovate or spatulate

Sterile bract margins: Moderately undulating

Sterile bract length: 15-25 mm.

Sterile bract colour: 82C (vibrant pink-violet) to 87C (purple-violet).

Sterile bract number: 5-6 sterile bracts per spike.

10 Fragrance: Camphoraceous.

Blooming period (New Zealand): October to February

Blooming period (U.S.A.): April to August

Reproductive organs:

Stamens: 4

Stamen length (2 posterior): 1mm

Stamen length (2 anterior): 1mm

Pistil: .1

Pistil length: 4.5mm

Pistil diameter: less than 0.25mm

20 Filament diameter: less than 0.25mm

Filament color: grayish-white

Style length: 3.5mm

Style color: gravish-white

Stigma shape: oval

25 Stigma color: green

Ovary shape: globose

Ovary dimensions: to

and 0.5mm wide

Ovary position: superior

30 Ovary color: green

Anther shape: reniform
Anther length: 0.25mm
Anther color: red-purple
Pollen amount: sparse
Pollen color: yellow

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Seed:

Number of seeds: 4 seeds per calyx.
Colour of seeds: 165A.
Length of seeds: 1.5-2.5 mm. in length.

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